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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s azithromycin and (isopropanol or isopropanolate)

3357 AZITHROMYCIN
 31097 ISOPROPANOL
 80 ISOPROPANOLATE

L1 28 AZITHROMYCIN AND (ISOPROPANOL OR ISOPROPANOLATE)

=> s l1 and crystalline

75306 CRYSTALLINE

L2 1 L1 AND CRYSTALLINE

=> d l2 an ab

L2 ANSWER 1 OF 1 CA COPYRIGHT 2007 ACS on STN

AN 135:9980 CA

AB An azithromycin noncryst. form is prepared by (1) lyophilization of a solution of crystalline azithromycin in aliphatic alcs. or cyclic ethers, i.e., tert-butanol and 1,4-dioxane, or by (2) evaporation to dryness of a solution of crystalline azithromycin in aliphatic alcs., preferably ethanol or isopropanol. Azithromycin dihydrate crystalline form is prepared by (1) crystallization after addition of water or a mixture of petroleum ether and water to azithromycin solution in tert-butanol, or by (2) acid hydrolysis (pH 2-4) of 9-deoxo-9a-aza-11,12-desoxy-9a-methyl-9a-homoerythromycin A 11,12-hydrogenorthoborate in an organic solvent at room temperature, dissoln. of azithromycin in tert-butanol, and crystallization by addition of water.

=> d l1 1-28

L1 ANSWER 1 OF 28 CA COPYRIGHT 2007 ACS on STN

AN 146:87585 CA

TI Synthesis of antimycobacterial drug by forming complex of bioactive amino salt with bioactive phenolate